

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	0	(telephone\$1 or phone\$1) with (monitor\$3 near1 (volume\$1 and (lower\$3 or decreas\$3)))	US-PGPUB; USPAT	OR	ON	2007/05/01 12:28
L13	1	(telephone\$1 or phone\$1) with (monitor\$3 near1 (volume\$1 and (lower\$3 or decreas\$3 or increas\$3)))	US-PGPUB; USPAT	OR	ON	2007/05/01 12:28
L14	11	(telephone\$1 or phone\$1) and (monitor\$3 near1 (volume\$1 and (lower\$3 or decreas\$3 or increas\$3)))	US-PGPUB; USPAT	OR	ON	2007/05/01 12:29
S1	711	(381/104,109.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/18 15:01
S2	441	S1 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 15:41
S3	890	((select\$5 or individual\$5 or elect\$3) with (volume\$1 or gain\$1 or control\$4)) and ((381/104-107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/18 15:58
S4	676	S3 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S5	711	(381/104,109.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/18 15:42
S6	441	S5 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 15:42
S7	424	S4 not S6	US-PGPUB; USPAT	OR	ON	2007/04/18 15:43
S8	288	S7 and ((381/104,107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S9	19	(US-20010007590-\$ or US-20030169890-\$ or US-20030059067-\$ or US-20020172379-\$ or US-20020136419-\$).did. or (US-7133531-\$ or US-7110550-\$ or US-6931139-\$ or US-6914990-\$ or US-6801630-\$ or US-6763253-\$ or US-6760453-\$ or US-6697687-\$ or US-6434242-\$ or US-6167139-\$ or US-6148085-\$ or US-6111962-\$ or US-6301365-\$ or US-5774567-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/18 15:57
S10	16	S9 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:13

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S11	12	S9 and ((select\$3 or unselect\$3) same (volume\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S12	0	S9 and ((select\$3 and unselect\$3) same (volume\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:08
S13	1200	((381/104,107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S14	16	S13 and (select\$3 and unselect\$3)	US-PGPUB; USPAT	OR	ON	2007/04/18 16:11
S15	12	S14 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 16:12
S16	12	S15 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:10
S17	16	S13 and (select\$3 and (unselect\$3 or ("not" near select\$3)))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:12
S18	12	S17 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 16:12
S19	12	S18 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:13
S20	2214	((381/104,107,119.ccls.) or (700/94.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:35
S21	1201	((381/104,107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:10
S22	16	S21 and (select\$3 and (unselect\$3 or ("not" near select\$3)))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:35
S23	12	S22 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 11:05
S24	12	S23 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:35
S25	1530	S20 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3 or volum\$2))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:36
S26	996	S25 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 08:49
S27	27	S26 and ((normal\$1 or regular) near (volume\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:44
S28	4	("381"/\$.ccls.) and (select\$3 with (normal\$1 near volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:45

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S29	1	("381"/\$.ccls.) and ((unselect\$3 or ("not" near select\$3)) with (normal\$1 near volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:46
S30	1	((unselect\$3 or ("not" near select\$3)) with (normal\$1 near volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:46
S31	71	((unselect\$3 or ("not" near select\$3)) with (volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:46
S32	47	S31 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 08:48
S33	1179	(381/104-107.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 08:48
S34	836	S33 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 09:34
S35	1	"20020120833"	US-PGPUB; USPAT	OR	ON	2007/04/19 09:30
S36	256	S34 and (volume\$1 with (lower4 or adjust\$3 or modify\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 14:28
S37	435	S34 and ((volume\$1 or control\$4) with (lower4 or adjust\$3 or modify\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 09:53
S38	9	("4435833" "5054077" "5060272" "5200708" "5303371" "5355531" "5774566" "5872854").PN. OR ("6442281").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 10:31
S39	28	("3784748" "3859618" "4402246").PN. OR ("5054077").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 10:51
S40	32	("3982071" "4479240" "4635288" "4677674" "4879751" "4885792" "4993073" "5054077" "5060272" "5102373" "5122720" "5206913" "5212733" "5239458" "5257317" "5268964" "5293102" "5299267" "5402501" "5420933" "5444676" "5444789" "5479518" "5623551" "5930375" "5982902" "6061458").PN. OR ("6839441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 10:56

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S41	32	("3982071" "4479240" "4635288" "4677674" "4879751" "4885792" "4993073" "5054077" "5060272" "5102373" "5122720" "5206913" "5212733" "5239458" "5257317" "5268964" "5293102" "5299267" "5402501" "5420933" "5444676" "5444789" "5479518" "5623551" "5930375" "5982902" "6061458").PN. OR ("6839441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 11:02
S42	158406	(gain\$1 or volume\$1 or level\$1 or output\$3 or channel\$1) with (lower\$3 or attenuat\$3 or decreas\$3 or (offset\$4)) same (monitor\$3 or controll\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 11:04
S43	114934	S42 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 13:35
S44	137	S43 and (scan near cod\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 11:08
S45	1541	S43 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 11:19
S46	442	S45 and (381/104-107,119,123,110.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 12:25
S47	1	"20040096071"	US-PGPUB; USPAT	OR	ON	2007/04/19 13:33
S48	64	(control\$4) with ((individual\$3 or select\$3) near (controll\$3)) and S21	US-PGPUB; USPAT	OR	ON	2007/04/19 13:34
S49	53	S48 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 14:29
S50	172	S21 and (volume\$1 with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 14:39
S51	123	S50 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:06
S52	5862	(select\$3) same ((volume\$1 or output\$3) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:31
S53	4596	S52 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 14:40
S54	357	S53 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:06
S55	479	(381/107.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:06
S56	499	"L37" and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:31

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S57	339	S55 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:26
S58	22529	((select\$3 or elect\$3 or assign\$3 or individual\$3) with (signal\$1 or input\$4 or channel\$1 or controll\$3 or output\$3)) same (monitor\$3 or supervis\$3 or controll\$3) and (airplane\$1 or aircraft\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:39
S59	7521	S58 and ((select\$3 or elect\$3 or assign\$3 or individual\$3) with (signal\$1 or input\$4 or channel\$1 or controll\$3 or output\$3)) same (monitor\$3 or supervis\$3 or controll\$3) and (airplane\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:42
S60	33	S59 and (select\$3) same ((volume\$1 or output\$3) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:37
S61	25	S60 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:41
S62	0	S59 and (((volume\$1) with (lower4)) same (normal\$2))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:38
S63	0	S58 and (((volume\$1) with (lower4)) same (normal\$2))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:38
S64	0	S58 and ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:39
S65	42894	((select\$3 or elect\$3 or assign\$3 or individual\$3) with (signal\$1 or input\$4 or channel\$1 or controll\$3 or output\$3)) and (airplane\$1 or aircraft\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:39
S66	0	S65 and ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:40
S67	0	(automatical\$3) same ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:52
S68	0	((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:41
S69	4880	((volume\$1) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:41
S70	3513	S69 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:42
S71	55	S70 and (monitor\$3 or supervis\$3 or controll\$3) and (airplane\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:42
S72	55	S71 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:55
S73	1	"20020120833"	US-PGPUB; USPAT	OR	ON	2007/04/19 15:51

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S74	0	("713"/\$.ccls.)and ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:52
S75	6	("713"/\$.ccls.)and ((volume\$1) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:54
S76	71	((volume\$1) with (lower4 or attenuat\$3)) same (mute\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:55
S77	57	S76 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 16:11
S78	35481	((volume\$1) near (lower\$3 or attenuat\$3 or decreas\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:10
S79	679	S78 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:10
S80	225	S79 and ((381/104-107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:01
S81	157	S80 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 17:18
S82	24	("4285065" "4292467" "4306113" "4320255" "4363001" "4405836" "4560838" "4731851").PN. OR ("5046107").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 16:30
S83	23	(US-6965676-\$ or US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6111965-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5315662-\$ or US-5260704-\$ or US-5243344-\$ or US-5226000-\$ or US-5165099-\$ or US-4731851-\$ or US-4560838-\$ or US-4405836-\$ or US-4363001-\$ or US-4320255-\$ or US-4306113-\$ or US-4292467-\$ or US-4285065-\$).did.	USPAT	OR	ON	2007/04/19 16:41
S84	4	S83 and (lower with volume\$1)	USPAT	OR	ON	2007/04/19 16:42
S85	18	"5046107"	US-PGPUB; USPAT	OR	ON	2007/04/19 16:48
S86	18	(US-20070086604-\$).did. or (US-7190292-\$ or US-6965676-\$ or US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6111965-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5315662-\$ or US-5260704-\$ or US-5243344-\$ or US-5226000-\$ or US-5165099-\$ or US-5046107-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/19 16:48

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S87	18	(US-20070086604-\$).did. or (US-7190292-\$ or US-6965676-\$ or US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6111965-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5315662-\$ or US-5260704-\$ or US-5243344-\$ or US-5226000-\$ or US-5165099-\$ or US-5046107-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/19 16:48
S88	15	S87 and (attenuat\$3 or lower\$3 or decreas\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:59
S89	22202	((select\$3) with (signal\$1 or channel\$1 or input\$1 or sound\$1)) same ((attenuat\$3 or lower\$3 or decreas\$3) and (memory))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:00
S90	62	S89 and ((381/104-107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:01
S91	47	(US-20030169890-\$ or US-20020136419-\$ or US-20030059067-\$ or US-20010007590-\$ or US-20020172379-\$ or US-20020076066-\$ or US-20010055401-\$ or US-20030058215-\$ or US-20020076065-\$ or US-20020057804-\$ or US-20010022841-\$ or US-20020181713-\$).did. or (US-6914990-\$ or US-5774567-\$ or US-6763253-\$ or US-6167139-\$ or US-6111962-\$ or US-6760453-\$ or US-7133531-\$ or US-6697687-\$ or US-6434242-\$ or US-7110550-\$ or US-6301365-\$ or US-6801630-\$ or US-6931139-\$ or US-6148085-\$ or US-6396549-\$ or US-7200239-\$ or US-6704421-\$ or US-6442281-\$ or US-5060272-\$ or US-6839441-\$ or US-5054077-\$ or US-5706357-\$ or US-5963596-\$ or US-5046107-\$ or US-7190292-\$ or US-6965676-\$). did. or (US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5666424-\$). did.	US-PGPUB; USPAT	OR	ON	2007/04/19 17:17
S92	1	(S91 or (381/104-107.ccls.)) and (unselect\$3 with (lower\$3 or attenuat\$3 or vary\$3 or decreas\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:18

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S93	215	(S91 or (381/104-107.ccls.)) and (select\$3 with (lower\$3 or attenuat\$3 or vary\$3 or decreas\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:18
S94	185	S93 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S95	13	("4363001" "4495652").PN. OR ("5883963").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 17:28
S96	49	(US-20030169890-\$ or US-20020136419-\$ or US-20030059067-\$ or US-20010007590-\$ or US-20020172379-\$ or US-20020076066-\$ or US-20010055401-\$ or US-20030058215-\$ or US-20020076065-\$ or US-20020057804-\$ or US-20010022841-\$ or US-20020181713-\$).did. or (US-6914990-\$ or US-5774567-\$ or US-6763253-\$ or US-6167139-\$ or US-6111962-\$ or US-6760453-\$ or US-7133531-\$ or US-6697687-\$ or US-6434242-\$ or US-7110550-\$ or US-6301365-\$ or US-6801630-\$ or US-6931139-\$ or US-6148085-\$ or US-6396549-\$ or US-7200239-\$ or US-6704421-\$ or US-6442281-\$ or US-5060272-\$ or US-6839441-\$ or US-5054077-\$ or US-5706357-\$ or US-5963596-\$ or US-5046107-\$ or US-7190292-\$ or US-6965676-\$). did. or (US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5666424-\$ or US-5883963-\$ or US-6397085-\$). did.	US-PGPUB; USPAT	OR	ON	2007/04/19 17:33
S97	32	S96 and (lower\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 17:34
S98	1	(S96 or ("381"/\$.ccls.) or (700/94.ccls.)) and ((unselect\$3 or ("not" near select\$3)) with (lower\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S99	955	((unselect\$3 or ("not" near select\$3)) with (lower\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S100	572	S99 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S101	102	S100 and (volume\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36

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S10 2	0	"200400096071"	US-PGPUB; USPAT	OR	ON	2007/04/19 17:39
S10 3	1	"20040096071"	US-PGPUB; USPAT	OR	ON	2007/04/19 17:44
S10 4	1	"20050084119"	US-PGPUB; USPAT	OR	ON	2007/04/19 18:05
S10 5	1	"20060036341"	US-PGPUB; USPAT	OR	ON	2007/04/19 18:05
S10 6	124	((381/104,109,119.ccls.) or (700/94.ccls.)) and (controll\$3 near2 (volume\$1 near1 controll\$3))	US-PGPUB; USPAT	OR	ON	2007/05/01 10:14
S10 7	93	S106 and (@ad<"20031022")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:15
S10 8	52	(US-20030058215-\$ or US-20020181713-\$ or US-20010007590-\$ or US-20010022841-\$ or US-20010055401-\$ or US-20020057804-\$ or US-20020076066-\$ or US-20030169890-\$ or US-20020076065-\$ or US-20030059067-\$ or US-20020136419-\$ or US-20020172379-\$ or US-20020031236-\$).did. or (US-6148085-\$ or US-6052665-\$ or US-6839441-\$ or US-6301365-\$ or US-5774567-\$ or US-6621338-\$ or US-6396549-\$ or US-6442281-\$ or US-5060272-\$ or US-6397085-\$ or US-5054077-\$ or US-5963596-\$ or US-6704421-\$ or US-6760453-\$ or US-6760635-\$ or US-6801630-\$ or US-6914990-\$ or US-6931139-\$ or US-6965676-\$ or US-7110550-\$ or US-7133531-\$ or US-6434242-\$ or US-7190292-\$ or US-7200239-\$ or US-6763253-\$ or US-6088461-\$). did. or (US-6167139-\$ or US-5917552-\$ or US-5706357-\$ or US-5046107-\$ or US-5440351-\$ or US-6697687-\$ or US-6111962-\$ or US-6233548-\$ or US-6246443-\$ or US-5883963-\$ or US-5666424-\$ or US-5130665-\$ or US-4389537-\$). did.	US-PGPUB; USPAT	OR	ON	2007/05/01 08:49
S10 9	21	S108 and (mix\$3)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:53
S11 0	1	"20040096071"	US-PGPUB; USPAT	OR	ON	2007/05/01 08:54

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S11 1	2098	((381/104,109,119.ccls.) or (700/94.ccls.))	US-PGPUB; USPAT	OR	ON	2007/05/01 11:11
S11 2	329	S111 and (mix\$3 with (channel\$1 and output\$3))	US-PGPUB; USPAT	OR	ON	2007/05/01 10:15
S11 3	242	S112 and (@ad<"20031022")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:39
S11 4	114	S111 and ((fader\$1 or controll\$3) with (individual))	US-PGPUB; USPAT	OR	ON	2007/05/01 10:40
S11 5	76	S114 and (@ad<"20031022")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:40
S11 6	120	S111 and ((fader\$1 or volume\$3) with (individual))	US-PGPUB; USPAT	OR	ON	2007/05/01 10:40
S11 7	78	S116 and (@ad<"20031022")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:40
S11 8	15	S111 and (mix\$3 with (individual near2 (fader\$3 or volume\$1)))	US-PGPUB; USPAT	OR	ON	2007/05/01 10:53
S11 9	3	S111 and (select\$3 with (lower or decreas\$3)) same (phone\$1 or telephone\$1)	US-PGPUB; USPAT	OR	ON	2007/05/01 11:14
S12 0	76	S111 and (select\$3 with (lower or decreas\$3)) same (volume\$1 or level\$1)	US-PGPUB; USPAT	OR	ON	2007/05/01 11:14

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	711	(381/104,109.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/18 15:01
S2	441	S1 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 15:41
S3	890	((select\$5 or individual\$5 or elect\$3) with (volume\$1 or gain\$1 or control\$4)) and ((381/104-107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/18 15:58
S4	676	S3 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S5	711	(381/104,109.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/18 15:42
S6	441	S5 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 15:42
S7	424	S4 not S6	US-PGPUB; USPAT	OR	ON	2007/04/18 15:43
S8	288	S7 and ((381/104,107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S9	19	(US-20010007590-\$ or US-20030169890-\$ or US-20030059067-\$ or US-20020172379-\$ or US-20020136419-\$).did. or (US-7133531-\$ or US-7110550-\$ or US-6931139-\$ or US-6914990-\$ or US-6801630-\$ or US-6763253-\$ or US-6760453-\$ or US-6697687-\$ or US-6434242-\$ or US-6167139-\$ or US-6148085-\$ or US-6111962-\$ or US-6301365-\$ or US-5774567-\$). did.	US-PGPUB; USPAT	OR	ON	2007/04/18 15:57
S10	16	S9 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:13
S11	12	S9 and ((select\$3 or unselect\$3) same (volume\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S12	0	S9 and ((select\$3 and unselect\$3) same (volume\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:08
S13	1200	((381/104,107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:09
S14	16	S13 and (select\$3 and unselect\$3)	US-PGPUB; USPAT	OR	ON	2007/04/18 16:11
S15	12	S14 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 16:12

EAST Search History

S16	12	S15 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:10
S17	16	S13 and (select\$3 and (unselect\$3 or ("not" near select\$3)))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:12
S18	12	S17 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/18 16:12
S19	12	S18 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/18 16:13
S20	2214	((381/104,107,119.ccls.) or (700/94.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:35
S21	1201	((381/104,107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:10
S22	16	S21 and (select\$3 and (unselect\$3 or ("not" near select\$3)))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:35
S23	12	S22 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 11:05
S24	12	S23 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:35
S25	1530	S20 and ((select\$5 or individual\$5 or elect\$3) with (channel\$1 or output\$4 or section\$1 or signal\$1 or input\$3 or volum\$2))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:36
S26	996	S25 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 08:49
S27	27	S26 and ((normal\$1 or regular) near (volume\$1 or level\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:44
S28	4	("381"/\$.ccls.) and (select\$3 with (normal\$1 near volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:45
S29	1	("381"/\$.ccls.) and ((unselect\$3 or ("not" near select\$3)) with (normal\$1 near volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:46
S30	1	((unselect\$3 or ("not" near select\$3)) with (normal\$1 near volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:46
S31	71	((unselect\$3 or ("not" near select\$3)) with (volume\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 08:46
S32	47	S31 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 08:48
S33	1179	(381/104-107.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 08:48

EAST Search History

S34	836	S33 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 09:34
S35	1	"20020120833"	US-PGPUB; USPAT	OR	ON	2007/04/19 09:30
S36	256	S34 and (volume\$1 with (lower4 or adjust\$3 or modify\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 14:28
S37	435	S34 and ((volume\$1 or control\$4) with (lower4 or adjust\$3 or modify\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 09:53
S38	9	("4435833" "5054077" "5060272" "5200708" "5303371" "5355531" "5774566" "5872854").PN. OR ("6442281"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 10:31
S39	28	("3784748" "3859618" "4402246").PN. OR ("5054077"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 10:51
S40	32	("3982071" "4479240" "4635288" "4677674" "4879751" "4885792" "4993073" "5054077" "5060272" "5102373" "5122720" "5206913" "5212733" "5239458" "5257317" "5268964" "5293102" "5299267" "5402501" "5420933" "5444676" "5444789" "5479518" "5623551" "5930375" "5982902" "6061458").PN. OR ("6839441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 10:56
S41	32	("3982071" "4479240" "4635288" "4677674" "4879751" "4885792" "4993073" "5054077" "5060272" "5102373" "5122720" "5206913" "5212733" "5239458" "5257317" "5268964" "5293102" "5299267" "5402501" "5420933" "5444676" "5444789" "5479518" "5623551" "5930375" "5982902" "6061458").PN. OR ("6839441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 11:02
S42	158406	(gain\$1 or volume\$1 or level\$1 or output\$3 or channel\$1) with (lower\$3 or attenuat\$3 or decreas\$3 or (offset\$4)) same (monitor\$3 or controll\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 11:04
S43	114934	S42 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 13:35
S44	137	S43 and (scan near cod\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 11:08

EAST Search History

S45	1541	S43 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 11:19
S46	442	S45 and (381/104-107,119,123,110. ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 12:25
S47	1	"20040096071"	US-PGPUB; USPAT	OR	ON	2007/04/19 13:33
S48	64	(control\$4) with ((individual\$3 or select\$3) near (controll\$3)) and S21	US-PGPUB; USPAT	OR	ON	2007/04/19 13:34
S49	53	S48 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 14:29
S50	172	S21 and (volume\$1 with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 14:39
S51	123	S50 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:06
S52	5862	(select\$3) same ((volume\$1 or output\$3) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:31
S53	4596	S52 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 14:40
S54	357	S53 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:06
S55	479	(381/107.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:06
S56	499	"L37" and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:31
S57	339	S55 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:26
S58	22529	((select\$3 or elect\$3 or assign\$3 or individual\$3) with (signal\$1 or input\$4 or channel\$1 or controll\$3 or output\$3)) same (monitor\$3 or supervis\$3 or controll\$3) and (airplane\$1 or aircraft\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:39
S59	7521	S58 and ((select\$3 or elect\$3 or assign\$3 or individual\$3) with (signal\$1 or input\$4 or channel\$1 or controll\$3 or output\$3)) same (monitor\$3 or supervis\$3 or controll\$3) and (airplane\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:42
S60	33	S59 and (select\$3) same ((volume\$1 or output\$3) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:37
S61	25	S60 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:41
S62	0	S59 and (((volume\$1) with (lower4)) same (normal\$2))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:38

EAST Search History

S63	0	S58 and (((volume\$1) with (lower4)) same (normal\$2))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:38
S64	0	S58 and ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:39
S65	42894	((select\$3 or elect\$3 or assign\$3 or individual\$3) with (signal\$1 or input\$4 or channel\$1 or controll\$3 or output\$3)) and (airplane\$1 or aircraft\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:39
S66	0	S65 and ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:40
S67	0	(automatic\$3) same ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:52
S68	0	((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:41
S69	4880	((volume\$1) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:41
S70	3513	S69 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:42
S71	55	S70 and (monitor\$3 or supervis\$3 or controll\$3) and (airplane\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:42
S72	55	S71 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 15:55
S73	1	"20020120833"	US-PGPUB; USPAT	OR	ON	2007/04/19 15:51
S74	0	("713"/\$.ccls.)and ((volume\$1) with (lower4))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:52
S75	6	("713"/\$.ccls.)and ((volume\$1) with (lower4 or attenuat\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 15:54
S76	71	((volume\$1) with (lower4 or attenuat\$3)) same (mute\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 15:55
S77	57	S76 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 16:11
S78	35481	((volume\$1) near (lower\$3 or attenuat\$3 or decreas\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 16:10
S79	679	S78 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:10
S80	225	S79 and ((381/104-107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:01
S81	157	S80 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 17:18

EAST Search History

S82	24	("4285065" "4292467" "4306113" "4320255" "4363001" "4405836" "4560838" "4731851").PN. OR ("5046107").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 16:30
S83	23	(US-6965676-\$ or US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6111965-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5315662-\$ or US-5260704-\$ or US-5243344-\$ or US-5226000-\$ or US-5165099-\$ or US-4731851-\$ or US-4560838-\$ or US-4405836-\$ or US-4363001-\$ or US-4320255-\$ or US-4306113-\$ or US-4292467-\$ or US-4285065-\$).did.	USPAT	OR	ON	2007/04/19 16:41
S84	4	S83 and (lower with volume\$1)	USPAT	OR	ON	2007/04/19 16:42
S85	18	"5046107"	US-PGPUB; USPAT	OR	ON	2007/04/19 16:48
S86	18	(US-20070086604-\$).did. or (US-7190292-\$ or US-6965676-\$ or US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6111965-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5315662-\$ or US-5260704-\$ or US-5243344-\$ or US-5226000-\$ or US-5165099-\$ or US-5046107-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/19 16:48
S87	18	(US-20070086604-\$).did. or (US-7190292-\$ or US-6965676-\$ or US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6111965-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5315662-\$ or US-5260704-\$ or US-5243344-\$ or US-5226000-\$ or US-5165099-\$ or US-5046107-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/19 16:48
S88	15	S87 and (attenuat\$3 or lower\$3 or decreas\$3)	US-PGPUB; USPAT	OR	ON	2007/04/19 16:59
S89	22202	((select\$3) with (signal\$1 or channel\$1 or input\$1 or sound\$1)) same ((attenuat\$3 or lower\$3 or decreas\$3) and (memory))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:00
S90	62	S89 and ((381/104-107.ccls.) or (381/119.ccls.))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:01

EAST Search History

S91	47	(US-20030169890-\$ or US-20020136419-\$ or US-20030059067-\$ or US-20010007590-\$ or US-20020172379-\$ or US-20020076066-\$ or US-20010055401-\$ or US-20030058215-\$ or US-20020076065-\$ or US-20020057804-\$ or US-20010022841-\$ or US-20020181713-\$).did. or (US-6914990-\$ or US-5774567-\$ or US-6763253-\$ or US-6167139-\$ or US-6111962-\$ or US-6760453-\$ or US-7133531-\$ or US-6697687-\$ or US-6434242-\$ or US-7110550-\$ or US-6301365-\$ or US-6801630-\$ or US-6931139-\$ or US-6148085-\$ or US-6396549-\$ or US-7200239-\$ or US-6704421-\$ or US-6442281-\$ or US-5060272-\$ or US-6839441-\$ or US-5054077-\$ or US-5706357-\$ or US-5963596-\$ or US-5046107-\$ or US-7190292-\$ or US-6965676-\$). did. or (US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5666424-\$). did.	US-PGPUB; USPAT	OR	ON	2007/04/19 17:17
S92	1	(S91 or (381/104-107.ccls.)) and (unselect\$3 with (lower\$3 or attenuat\$3 or vary\$3 or decreas\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:18
S93	215	(S91 or (381/104-107.ccls.)) and (select\$3 with (lower\$3 or attenuat\$3 or vary\$3 or decreas\$3))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:18
S94	185	S93 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S95	13	("4363001" "4495652").PN. OR ("5883963").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/19 17:28

EAST Search History

S96	49	(US-20030169890-\$ or US-20020136419-\$ or US-20030059067-\$ or US-20010007590-\$ or US-20020172379-\$ or US-20020076066-\$ or US-20010055401-\$ or US-20030058215-\$ or US-20020076065-\$ or US-20020057804-\$ or US-20010022841-\$ or US-20020181713-\$).did. or (US-6914990-\$ or US-5774567-\$ or US-6763253-\$ or US-6167139-\$ or US-6111962-\$ or US-6760453-\$ or US-7133531-\$ or US-6697687-\$ or US-6434242-\$ or US-7110550-\$ or US-6301365-\$ or US-6801630-\$ or US-6931139-\$ or US-6148085-\$ or US-6396549-\$ or US-7200239-\$ or US-6704421-\$ or US-6442281-\$ or US-5060272-\$ or US-6839441-\$ or US-5054077-\$ or US-5706357-\$ or US-5963596-\$ or US-5046107-\$ or US-7190292-\$ or US-6965676-\$). did. or (US-6760635-\$ or US-6621338-\$ or US-6246443-\$ or US-6233548-\$ or US-6088461-\$ or US-6052665-\$ or US-5917552-\$ or US-5440351-\$ or US-5666424-\$ or US-5883963-\$ or US-6397085-\$). did.	US-PGPUB; USPAT	OR	ON	2007/04/19 17:33
S97	32	S96 and (lower\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 17:34
S98	1	(S96 or ("381"/\$.ccls.) or (700/94. ccls.)) and ((unselect\$3 or ("not" near select\$3)) with (lower\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S99	955	((unselect\$3 or ("not" near select\$3)) with (lower\$1))	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S10 0	572	S99 and (@ad<"20021114")	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S10 1	102	S100 and (volume\$1)	US-PGPUB; USPAT	OR	ON	2007/04/19 17:36
S10 2	0	"200400096071"	US-PGPUB; USPAT	OR	ON	2007/04/19 17:39
S10 3	1	"20040096071"	US-PGPUB; USPAT	OR	ON	2007/04/19 17:44
S10 4	1	"20050084119"	US-PGPUB; USPAT	OR	ON	2007/04/19 18:05

EAST Search History

S10 5	1	"20060036341"	US-PGPUB; USPAT	OR	ON	2007/04/19 18:05
S10 6	124	((381/104,109,119.ccls.) or (700/94.ccls.)) and (controll\$3 near2 (volume\$1 near1 controll\$3))	US-PGPUB; USPAT	OR	ON	2007/05/01 08:28
S10 7	93	S106 and (@ad<"20031022")	US-PGPUB; USPAT	OR	ON	2007/05/01 08:28
S10 8	52	(US-20030058215-\$ or US-20020181713-\$ or US-20010007590-\$ or US-20010022841-\$ or US-20010055401-\$ or US-20020057804-\$ or US-20020076066-\$ or US-20030169890-\$ or US-20020076065-\$ or US-20030059067-\$ or US-20020136419-\$ or US-20020172379-\$ or US-20020031236-\$).did. or (US-6148085-\$ or US-6052665-\$ or US-6839441-\$ or US-6301365-\$ or US-5774567-\$ or US-6621338-\$ or US-6396549-\$ or US-6442281-\$ or US-5060272-\$ or US-6397085-\$ or US-5054077-\$ or US-5963596-\$ or US-6704421-\$ or US-6760453-\$ or US-6760635-\$ or US-6801630-\$ or US-6914990-\$ or US-6931139-\$ or US-6965676-\$ or US-7110550-\$ or US-7133531-\$ or US-6434242-\$ or US-7190292-\$ or US-7200239-\$ or US-6763253-\$ or US-6088461-\$). did. or (US-6167139-\$ or US-5917552-\$ or US-5706357-\$ or US-5046107-\$ or US-5440351-\$ or US-6697687-\$ or US-6111962-\$ or US-6233548-\$ or US-6246443-\$ or US-5883963-\$ or US-5666424-\$ or US-5130665-\$ or US-4389537-\$). did.	US-PGPUB; USPAT	OR	ON	2007/05/01 08:49
S10 9	21	S108 and (mix\$3)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:53
S11 0	1	"20040096071"	US-PGPUB; USPAT	OR	ON	2007/05/01 08:54